

SENT BY: PRAVEL, GAMBRELL

: 12-11-89 : 13:38 : PRAVEL, GAMBRELL

703 557 9566; # 1

PRAVEL, GAMBRELL, HEWITT, KIMBALL & KRIEGER  
RECEIVED PROFESSIONAL CORPORATION

ATTORNEYS AT LAW

TENTH FLOOR

1177 WEST LOOP SOUTH

HOUSTON, TEXAS 77027-5095

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GROUP 110

(713) 850-0909

TELEX 782026 TEXPATHOU  
TELECOPIER (713) 850-0126

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Patent, Trademark,  
Copyright, Antitrust  
Technology-Related Matters

WASHINGTON D.C. OFFICE

2306 SOUTH EADS STREET  
ARLINGTON, VIRGINIA 22202  
(703) 878-3242

NEW ORLEANS OFFICE

680 FOYDRAS STREET, SUITE 1400  
NEW ORLEANS, LOUISIANA 70130  
(504) 824-7507

AUSTIN OFFICE

BARRON OAKS PLAZA TWO  
801 MOPAC EXPRESSWAY SOUTH  
SUITE 425  
AUSTIN, TEXAS 78746  
(512) 326-9008

LAFAYETTE OFFICE

1720 KALISTE SALOON, SUITE C-9  
LAFAYETTE, LOUISIANA 70508  
(318) 862-0908

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TO: Examiner Dennis Albrecht TELECOPY #: 703/557-9564

FIRM: U.S. PTO -- Art Unit 115 LOCATION: Washington, DC  
City/State

No. of Pages Including Cover Letter: 14

SPECIAL INSTRUCTIONS: \_\_\_\_\_  
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FROM: James B. Gambrell

IF YOU DO NOT RECEIVE ALL PAGES OR ARE HAVING TROUBLE, PLEASE CALL  
IMMEDIATELY (713) 850-0909 AND ASK FOR Maryann.

April 17, 1989

FORM PTO-1083

Case Docket No. 289040US

In re application of CHING-WU CHU  
Serial No. 300,063

69 DEC 11 PM 4:49

Filed: January 23, 1989

GROUP 110

For: HIGH TRANSITION TEMPERATURE SUPERCONDUCTING COMPOSITIONS

THE COMMISSIONER OF PATENTS AND TRADEMARKS  
Washington, D.C. 20231

Sir:

Transmitted herewith is an amendment in the above-identified application.

 Small entity status of this application under 37 CFR 1.9 and 1.27 has been established by a verified statement previously submitted. A verified statement to establish small entity status under 37 CFR 1.9 and 1.27 is enclosed. No additional fee is required.

The fee has been calculated as shown below:

(Col. 1)	(Col. 2)		(Col. 3)	SMALL ENTITY		OTHER THAN A SMALL ENTITY			
	CLAIMS REMAINING AFTER AMENDMENT	MINUS	HIGHEST NO. PREVIOUSLY PAID FOR	PRESENT EXTRA	RATE	ADDITIONAL FEE	RATE	ADDITIONAL FEE	
TOTAL	11	MINUS	** 20	= 0	x6 =	\$ 0	x12 =	\$	
INDEP.	7	MINUS	*** 6	= 1	x18 =	\$ 18	x36 =	\$	
<input type="checkbox"/> FIRST PRESENTATION OF MULTIPLE DEP. CLAIM									
				TOTAL	+\$ 18	OR TOTAL	\$		

\*If the entry in Col. 1 is less than the entry in Col. 2, write "0" in Col. 3.

\*\*If the "Highest Number Previously Paid For" IN THIS SPACE is less than 20, write "20" in this space.

\*\*\*If the "Highest Number Previously Paid For" IN THIS SPACE is less than 3, write "3" in this space.  
The "Highest Number Previously Paid For" (Total or Independent) is the highest number found from the equivalent box in Col. 1 of a prior amendment or the number of claims originally filed. Please charge my Deposit Account No. 16-2435 in the amount of \$ 18.00. A duplicate copy of this sheet is attached. A check in the amount of \$ \_\_\_\_\_ is attached. The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 16-2435. A duplicate copy of this sheet is attached. Any filing fees under 37 CFR 1.16 for the presentation of extra claims. Any patent application processing fees under 37 CFR 1.17.

Respectfully submitted,

Registration No. 29,057

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## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant: CHING-WU CHU §  
Serial No.: 300,063 §  
Filed: January 23, 1989 §  
For: HIGH TRANSITION TEMPERATURE §  
SUPERCONDUCTING COMPOSITIONS §  
Examiner: Dennis Albrecht §

Group Art Unit: 115

THIRD PRELIMINARY AMENDMENT

Commissioner of Patents  
and Trademarks  
Washington, D.C. 20231

via FAX -- 703/557-9564

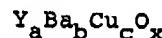
Dear Sir:

Pursuant to repeated telephone requests by the Examiner to add a claim in independent form to this application, and in view of the remarks which follow, please amend the above identified application as follows:

IN THE CLAIMS

Please add claim 27 as follows:

27. A superconducting composition exhibiting zero electrical resistance at a temperature of 77°K or above having the nominal formula



wherein "a" is about 1.2, "b" is about 0.8, "c" is about 1.0, and "x" is about 2 to 4.

REMARKS

While this Third Preliminary Amendment is filed to comply with the Examiner's oral instructions on adding a claim for the purpose of setting up an interference, it is urgently requested that the Examiner review the following

